

447498 D01 General RF Exposure Guidance v06

7.2. Transmitters used in mobile device exposure conditions for simultaneous transmission operations

Simultaneous transmission MPE test exclusion applies when the sum of the MPE ratios for all simultaneously transmitting antennas incorporated in a host device is  $\leq 1.0$ , according to

Mikrotiks SIA FCC ID: TV7RB953GS5HNTM with 5 GHz 18 dBi panel antenna, MTI-485001

Compex Systems Pte Ltd FCC ID: TK4WLE600VX with 2.4 GHz 5 dBi omni-antenna OM24580703 and 5 GHz 18 dBi panel antenna, MTI-485001

Paradox Engineering SA FCC ID: 2AKPQ0701142823044 with 920 MHz 2.15 dBi  $\lambda/2$  antenna MEGWX-1551SAAX-920

FCC 1.1310 Radiofrequency radiation exposure limits for General Population/Uncontrolled Exposure

FCC identifier	Frequency MHz	Power dBm	Power W	Antenna			Distance D cm	PD mW/m <sup>2</sup>	Limit mW/cm <sup>2</sup>	PD/Limit
				Gain dBi	EIRP dBm	EIRP mW				
TV7RB953GS5HNTM	5745	24.6	0.288	18	42.6	18172	50	0.57842	1.00	0.578
TK4WLE600VX	2412	23.86	0.243	5	28.9	769	50	0.02448	1.00	0.024
TK4WLE600VX	5745	22.80	0.191	18	40.8	12020	50	0.38260	1.00	0.383
2AKPQ0701142823044	902	20.8	0.120	2.15	22.9	197	50	0.00627	0.60	0.010
								$\Sigma=$		0.996